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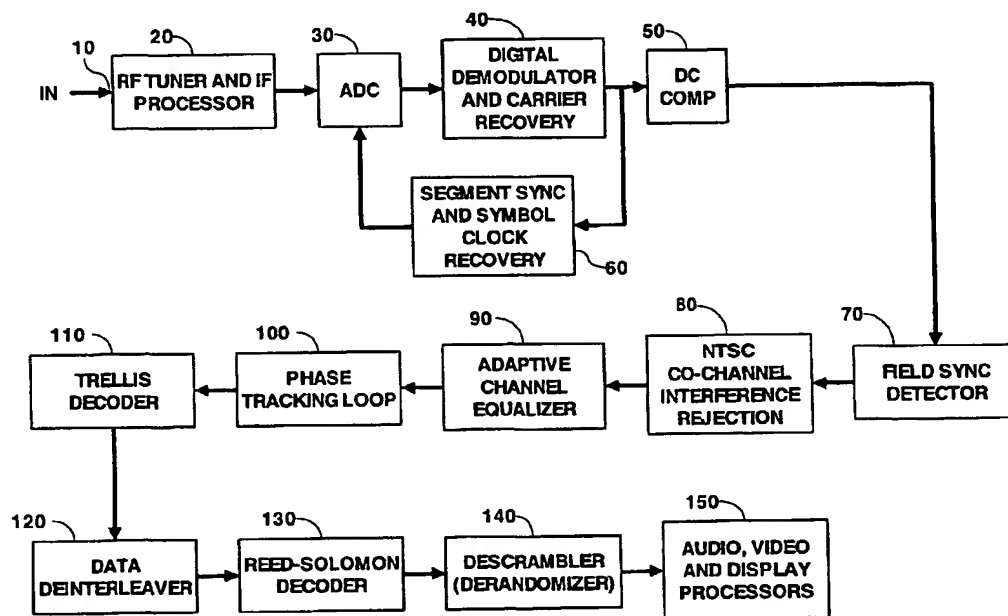
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[Continued on next page]

(54) Title: CHANNEL ACQUISITION PROCESSING FOR A TELEVISION RECEIVER



(57) Abstract: Channel acquisition in a digital television signal receiver is improved by determining the carrier tracking loop frequency offsets and the symbol timing recovery offsets for each channel in the television receiver. Offsets are stored in respective EEPROMs (CTL EEPROM, STR EEPROM) for each channel. When a channel is to be acquired in the TV receiver the tune command will be applied to the appropriate EEPROMs (CTL EEPROM, STR EEPROM) and the respective values are conveyed to the VSB demodulator (40) to start acquisition of the channel.

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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04N 5/445

US CL : 348/726

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 348/726, 725; 375/321, 324, 344, 320, 270, 277, 326, 235

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,133,964 A (HAN) 17 OCTOBER 2000, Fig. 2, column 4, line 27 to column 5, line 34.	1-17
Y	US 6,317,162 B1 (MATSUMOTO) 13 NOVEMBER 2001, Fig. 1, column 2, line 54 to column 3, line 41).	1-17
A	US 6,298,100 B1 (BOUILLET) 02 OCTOBER 2001, Fig. 3.	1-17
A	US 6,226,323 B1 (TAN ET AL.) 01 MAY 2001, Fig. 9.	1-17
A	US 6,359,944 B1 (CURTIS, III ET AL.) 19 MARCH 2002, Fig. 2.	1-17

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&" document member of the same patent family

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